JavaScript Objects
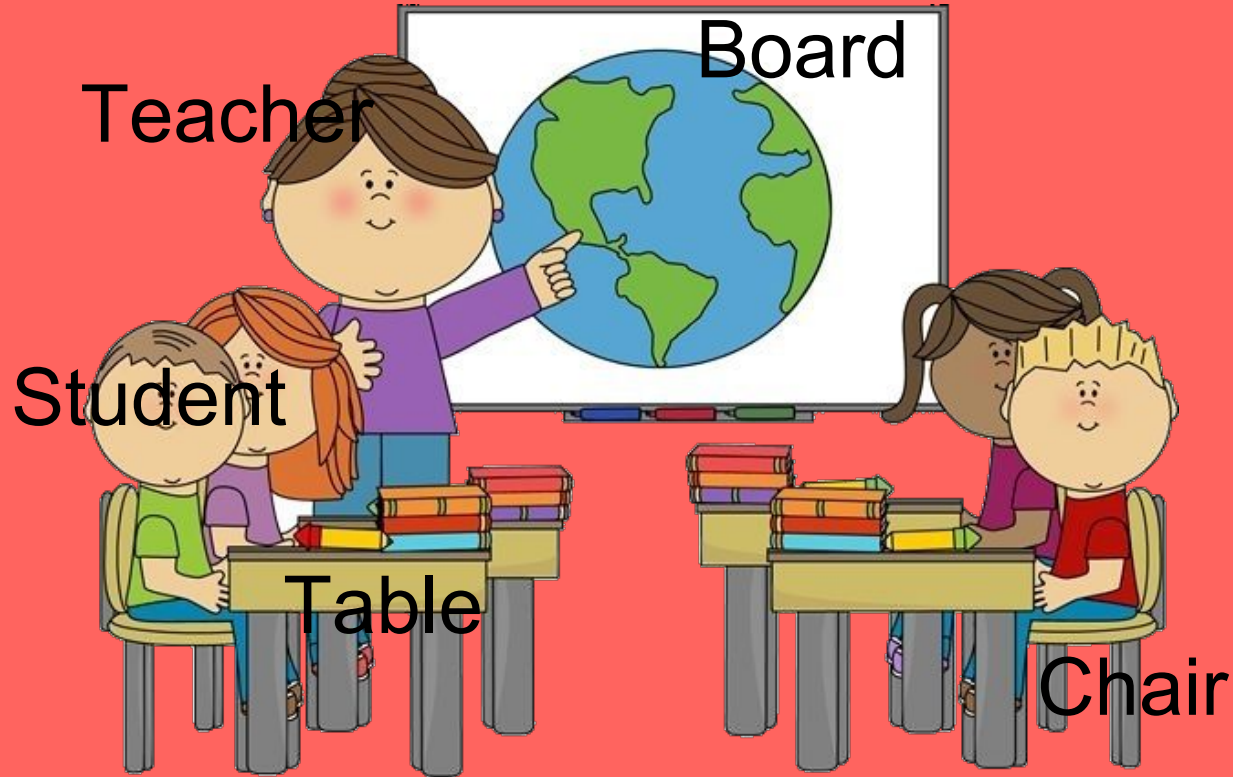
Types

String,
Number,
Boolean (true/false),
Array,
Object

All are objects!

Objects in the world

The teacher for example has more than one property:

```
{
    name: "Hadas",
    height: 167,
    age: 30,

    ...
}
```

An **object** is a collection of properties - a key and a value.

Key	Value
name	"Hadas"
height	167
…..	…..

Declaring Objects

```
var user = {
  name: "Hadas",
  email: "hadas@gmail.com"
}
```

Accessing the Properties

```
var user = {
  name: "Hadas",
  email: "hd@gm.com"
}
```

```
user.name == "Hadas"
user["name"] == "Hadas"
```

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Changing the Properties

```
var user = {
    name: "Shamir",
    email: "hd@gm.com",
    height: 167,
}
```

```
user.name = "Shamir";

user["height"] = 167;
```

Values Types

String,
Number,
Boolean,
Array,
Object

```
{
    name: "Hadas",
    height: 167,
    family: ["Avi","Ben"],
    Address: {
        City: "Tel Aviv",
        ...
    },
    ...
}
```

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Accessing the Properties

An Array

```
var user = {
    Family: ["Ben", "Avi"]
}
```

```
user.family.push("Avi");
user.["family"][1] == "Avi"
```

Nested Objects

```
var user = {
    address: {
        city: "TA",
        street: "Maze",
    }
}
```

```
user.address.city = "TA";
user.["address"]["street"] = "Maze"
```

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Values
Types

String,
Number,
Boolean,
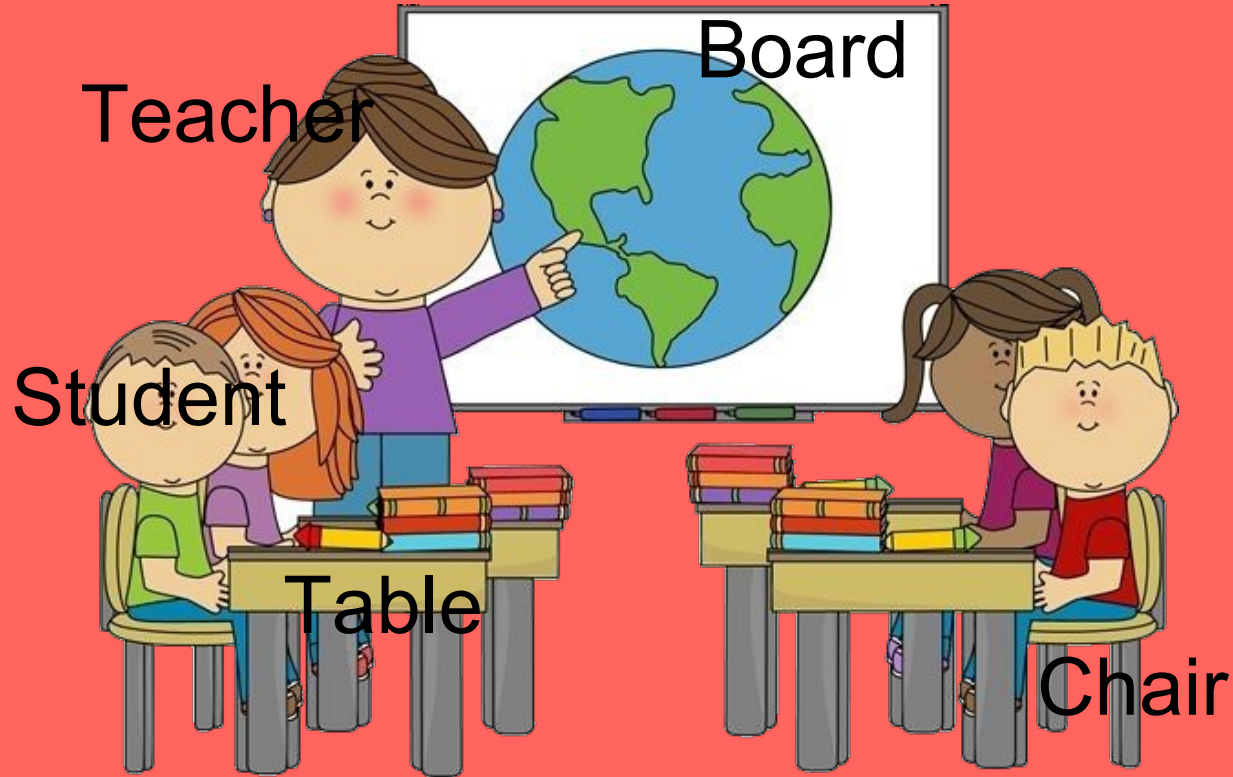**Array**,
Object,
Function

```
{
    name: "Hadas",
    family: ["Avi","Ben"],
    speak: function(){

        console.log("Hi!");
    },
    ...
}
```

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Objects in the world

Board

Teacher

Student

Table

Chair

myObject['key'] === myObject.key

myObject[key]

"Key" => string,   key => variable

var key = "value" => myObject["value"]

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